

BaBar Magnet Shipping Restraints And Valve Box Relocation

Paul Kovach December 16, 2014

Paul Kovach Slide No. 1



Overview

Required Tasks:

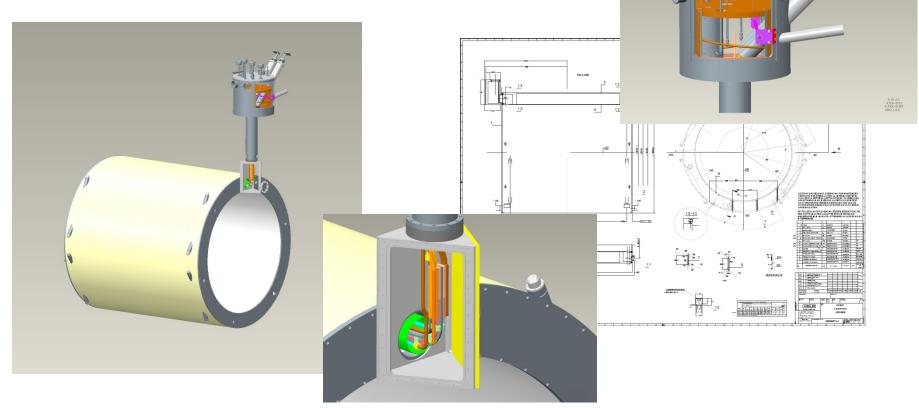
- Create CAD Model From Original 2-D Drawings
- Design And Fabricate Shipping Restraints
- Design Extension To Relocate Valve Box beyond calorimeter

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BaBar Magnet Shipping Restraints And Valve Box Relocation

Construct 3-D Model From Original 2-D Drawings (in Italian)
To The Extent Necessary To Design Shipping Restraints And
Valve Box Extension

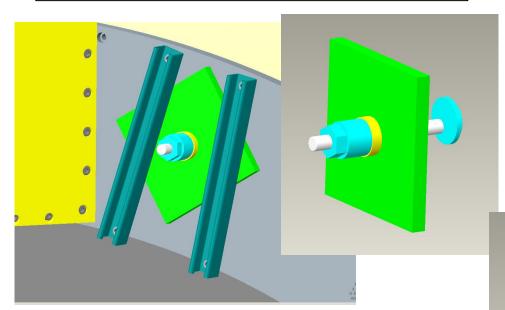


Paul Kovach Slide No. 3

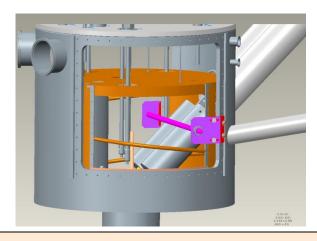


BaBar Shipping Restraints

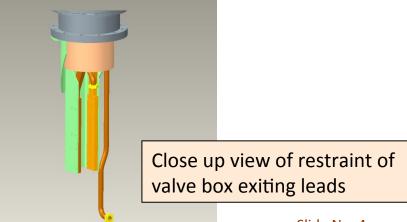
Design And Fabricate Heat Shield Shipping Restraints And Valve Box Lead Shipping Restraints



Close up view of heat shield axial restraint and restraint as installed in cryostat end plate



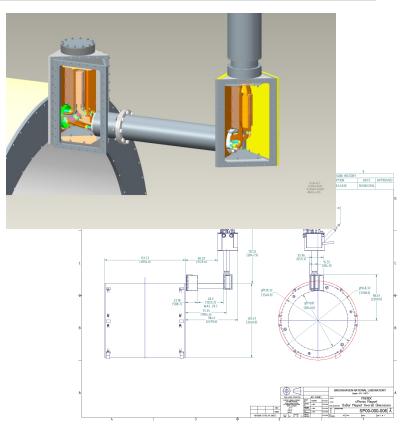
Close up view of internal valve box restraint of vapor cooled leads

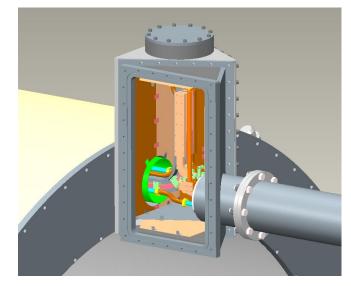


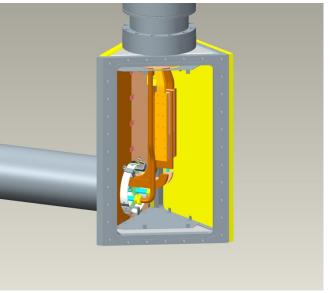


Valve Box Extension Interfaces

Design Extension And Interface Details To Mate With Existing Valve Box









Valve Box Extension Assembly

Extension Assembly, Heat Shield, And Lead Details

